

## SCREENING OF DIFFERENT RICE ENTRIES AGAINST SHEATH BLIGHT DISEASE RESISTANCE

Toorray N.K.\* and Tiwari P.K.<sup>1</sup>

College of Agriculture and Research Station, Marra, IGKV, Durg (C.G.)

<sup>1</sup>Department of Plant Pathology, IGKV, Raipur (C.G.)

Received-26.08.2021, Revised-10.09.2021, Accepted-20.09.2021

**Abstract:** The twenty-four rice entries were screened against sheath blight resistant in rice in the kharif 2016 and 2017. Among the tested rice entries, the entry IET No. R-2302-387-1-277-1, IET No. R-2302-390-2-288-1, IET No. R-2302-396-3-301-1 and IET No. -SUVT-324, recorded as a resistant reaction to sheath blight of rice, while IET No. VL-31289, IET No. Nidhi, IET No. RP-Patho-4, IET No. -RP-Patho-6, IET No. UPL R1-7, IET No. R-1675-1844-2-1257-1, IET No. R-2302-386-1-275-1, IET No.-R-1909-112-1-86-1, IET No.R-2034-147-1-186-1, IET No.Jaladoobi, IET No.R-RGY-SI-13, IET No.- R-1670-3975-1-485-1, IET No. -SUVT-122, IET No. -SUVT-230, IET No. -SUVT-353, IET No. -SUVT-362, IET No. -SUVT-412, IET No. Badshah Bhog-2 and IET No. Sarai Phool showed the moderately resistant response as compared to the susceptible check variety swarna.

**Keywords:** Screening, Rice entries, Sheath blight

### REFERENCES

- Chandra, S. Singh, H. K., Kumar, P. and Yadav, Y. (2016). Screening of Rice (*Oryza sativa* L.) Genotypes for Sheath Blight (*Rhizoctonia solani*) in Changing Climate Scenario. *Jour.of Agri.Sear.* 3: 130-132.
- Goff, S. A. (1999). Rice as a model for cereal genomics. *Curr. Opin. Plant Biol.* 2:86-89.
- IRRI (2014). The *Int.* Rice Testing program (The *Int.* Rice Research Institute) Los Banos, Laguna, Phillipines.
- Kumar, S.M., Ganesh, S.K., Sakila, M., Dinakaran, D. and Senguttuvan, T. (2015). Screening for sheath blight (*Rhizoctonia solani* Kühn) resistance in rice (*Oryza sativa* L.). *Int. J. of Curr. Res.*, 7(12): 23901-23903.
- Mosaddeque, H.Q.M., Talukder, M.I., Islam, M.M., Khusrul Amin, A.K.M. and Alam, M.A. (2008). Screening of Some Restorer and Maintainer Hybrid Rice Lines against Sheath Blight (*Rhizoctonia solani*). *J. Soil. Nature* . 1: 23-29.
- Shimamoto, K. (1995). The molecular biology of rice. *Science* 270: 172-173.
- Tejaswini, KLY., Krishnam R., S. Kumar R., Mohammad L.A., Ramakumar, P.V. Sayanarayana P.V. and M. Srinivas (2016). Screening of Rice F5 families for Sheath Blight and Bacterial Leaf Blight. *Jour. of Rice Res.*9:(1).

\*Corresponding Author